CIVIL TECH LABS

Accredited by NABL as per ISO/ IEC 17025 : 2005

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP.

06th April 2015

Dear Sir,

Sub: Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

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CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of Agency	Sri. N. Thirunagendra.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work (RCC Precast covering slab)	08/03/2015	05/04/2015	28	8.16	470	**20.89**	**21.19**
2					8.17	475	**21.11**	
3					8.18	485	**21.56**	

Note:
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4. The results are based on the test conducted on samples supplied by the customer.

Lab Incharge
Civil Tech Labs

CIVIL TECH BANGALORE

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T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP.

11th April 2015

Dear Sir,

Sub: Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs,

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS

5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of Agency	Sri. N. Thirunagendra.
Grade of Concrete	M-30
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	14/03/2015	11/04/2015	28	8.20	710	**31.56**	**31.41**
2					8.21	720	**32.00**	
3					8.19	690	**30.67**	

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Lab Incharge
Civil Tech Labs

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5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027

Ph: 080 - 4114 2867 / Mob. : 96862 31801, Email: civiltechlabs@gmail.com

T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP.

07th April 2015

Dear Sir,

Sub: Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Testing of cubes – Reg.

As requested the 28th day Compressive Strength Test of Cubes was carried out for the above work for the samples supplied by you.

Please find the enclosed Test Report of the above.

Thanking you,

For Civil Tech Labs

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

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5, 1st Cross, Srinivasa Colony, Mission Road, Bangalore - 560027
Ph: 080 - 4114 2867, Email: civiltechlabs@gmail.com

TEST REPORT

COMPRESSIVE STRENGTH TEST ON CONCRETE CUBES

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of Agency	Sri. N. Thirunagendra.
Grade of Concrete	M-20
No. of cubes tested	3
Dimension of Specimen	150mmx150mmx150mm
Cross Sectional Area	22500 mm²
Technical Reference	IS: 516-1959 (Reaffirmed 2013)

Sl. No.	Identification	Date of Casting	Date of Testing	Age at test (Days)	Weight (Kg)	Failure Load (KN)	Compressive Strength (N/mm²)	Avg Compressive Strength (N/mm²)
1	CC-Work	10/03/2015	07/04/2015	28	8.18	480	**21.33**	**21.56**
2					8.19	485	**21.56**	
3					8.21	490	**21.78**	

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Lab Incharge
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T-2654

To,

Assistant Executive Engineer
Yelahanka Sub Division,
BBMP.

04th February 2015

Dear Sir,

Sub: Testing of Materials.

As requested, the required tests were carried out for the materials the samples supplied by you, for the work of **'Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division..'**

Please find the enclosed Test Reports of the above.

Thanking You,
For Civil Tech Labs

Khushboo

CIVIL TECH LABS BANGALORE

(KHUSHBOO L.)
Quality Manager

CIVIL TECH LABS

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TEST REPORT

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Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of the Agency	Sri. N. Thirunagendra.
Date of Testing	04/02/2015

Tests	Test Method As Per IS & Apparatus		Results		Requirements As Per IS 8112:1989	Remarks
	IS Code	Method	Value	Unit		
Initial Setting Time	IS-4031 (Part-5) 1988	VICAT	54	min	Not Less Than 30 Minutes	Satisfies Requirement
Final Setting Time	IS-4031 (Part-5) 1988	VICAT	486	min	Not More Than 600 Minutes	Satisfies Requirement
Soundness	IS-4031 (Part-3) 1988	LE-CHATELIER	4	mm	Not More Than 10 mm	Satisfies Requirement

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Lab Incharge
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TEST REPORT

TEST ON FINE AGGREGATES Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of the Agency	Sri. N. Thirunagendra.
Date of Testing	04/02/2015
Specific Gravity	**2.57**

Sample	**IS Sieve designation (mm)**	**Sieve Analysis (% Passing IS Sieve)**	**Grading Requirement as per IS:383-1970**				**Grading Zone**
			ZONE-I	**ZONE-II**	**ZONE-III**	**ZONE-IV**	
River Sand	10	**100**	100	100	100	100	**II**
	4.75	**98.4**	90-100	90-100	90-100	95-100	
	2.36	**82.6**	60-95	75-100	85-100	95-100	
	1.18	**73.2**	30-70	55-90	75-100	90-100	
	0.6	**46.5**	15-34	35-59	60-79	80-100	
	0.3	**22.4**	5-20	8-30	12-40	15-50	
	0.15	**8.3**	0-10	0-10	0-10	0-15	

Note:

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TEST REPORT

TEST ON COARSE AGGREGATES 40mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of the Agency	Sri. N. Thirunagendra.
Date of Testing	04/02/2015
Specific Gravity	2.68
Water Absorption in %	0.28

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
80	**100**	100	**Satisfies the requirement**
40	**98.5**	95-100	
20	**52.6**	30-70	
10	**24.8**	10-35	
4.75	**3.6**	0-5	

Note:

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4. The results are based on the test conducted on samples supplied by the customer.

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TEST REPORT

TEST ON COARSE AGGREGATES 20mm ↓ Graded Ref:IS:383/2386

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of the Agency	Sri. N. Thirunagendra.
Date of Testing	04/02/2015
Specific Gravity	2.63
Water Absorption in %	0.29

IS Sieve Designation (mm)	Sieve Analysis (% Passing IS Sieve)	Grading Requirement as per IS:383-1970 (Reaffirmed 2011)	Remarks
40	**100**	100	**Satisfies the requirement**
20	**98.4**	95-100	
10	**42.5**	25-55	
4.75	**7.5**	0-10	

Note:

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 16 mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of the Agency	Sri. N. Thirunagendra.
Date of Testing	04/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	16	16	Satisfactory
2	Wt/m Length (Kg/m)	1.59	1.58	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.6	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	424	415	Satisfactory
6	U T S (N/Sq.mm)	530	485	Satisfactory

Note:

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2. Report shall not be reproduced except in full, without the written approval of the lab.
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4. The results are based on the test conducted on samples supplied by the customer.

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 12mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of the Agency	Sri. N. Thirunagendra.
Date of Test	04/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	12	12	Satisfactory
2	Wt/m Length (Kg/m)	0.889	0.888	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.4	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	422	415	Satisfactory
6	U T S (N/Sq.mm)	528	485	Satisfactory

Note:

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4. The results are based on the test conducted on samples supplied by the client.

Lab Incharge
Civil Tech Labs

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TEST REPORT

TEST ON REINFORCEMENT STEEL BARS 10mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of the Agency	Sri. N. Thirunagendra.
Date of Testing	04/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	10	10	Satisfactory
2	Wt/m Length (Kg/m)	0.618	0.617	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	15.1	14.5	Satisfactory
5	Yield Stress(N/Sq.mm)	419	415	Satisfactory
6	U T S (N/Sq.mm)	524	485	Satisfactory

Note:

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Lab Incharge
Civil Tech Labs

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TEST REPORT

TESTS ON REINFORCEMENT STEEL BARS 8mm

Name & Address of the Customer	AEE, Yelahanka Sub Division, BBMP
Name of Work	Construction of CC road and drains at cross roads of jnanabharathi school in Chowdeswari layout in ward no. 02, of Yelahaka Sub Division.
Name of the Agency	Sri. N. Thirunagendra.
Date of Testing	04/02/2015

Sl.No.	Description	Result	IS 1786-2008 Min. Requirements	Remarks
1	Measured Diameter mm	8	8	Satisfactory
2	Wt/m Length (Kg/m)	0.396	0.395	Satisfactory
3	Bend & RebendTest	Pass	Should not Crack or Fracture	Satisfactory
4	Elongation (%)	14.8	14.5	Satisfactory
5	Yield Stress(N/mm²)	416	415	Satisfactory
6	U T S (N/mm²)	520	485	Satisfactory

Note:

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Lab Incharge
Civil Tech Labs

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